

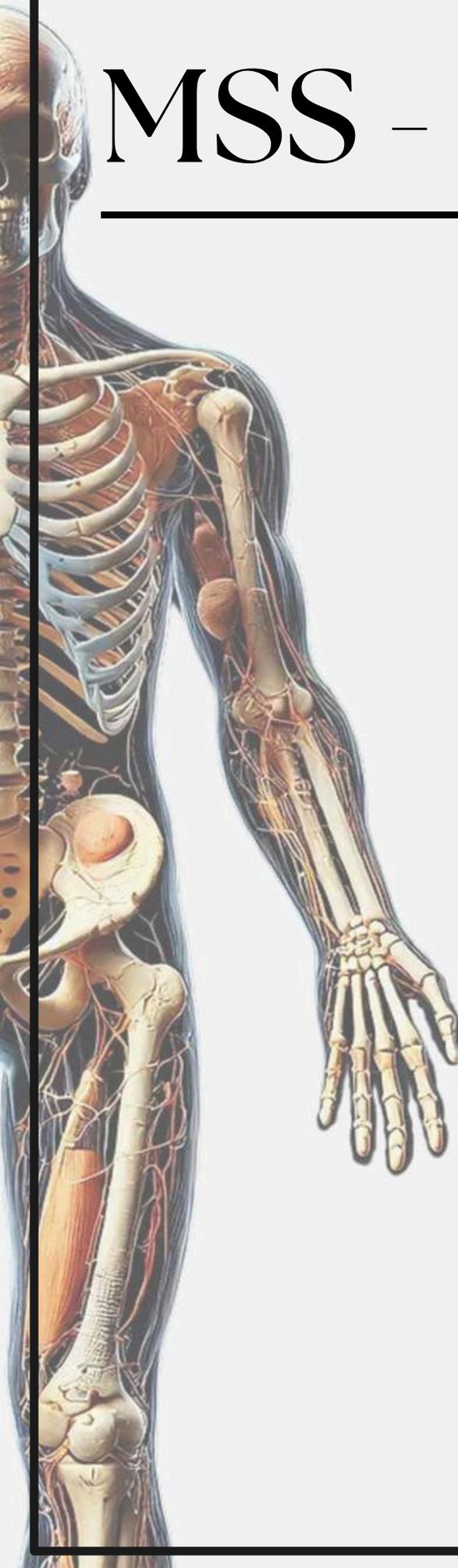
MSS - physiology

Archive

Lecture 1

PHYSIOLOGY OF MUSCLE I

Done by: malak alqadi



physiology - lecture (1)

Which of these covers the active site of actin :

- A- Troponin C.
- B- Troponin I.
- C- Tropomyosin.
- D- Troponin T.
- E- Calmodulin.

Answer: C

One of the following is the function of troponin C :

- A- Binding with calcium ions for contraction.
 - B- Inhibit binding of actin and myosin.
 - C- Binds troponin to tropomyosin to close active sites.
- Answer: A

Which one of the following protein responsible for connect thick filament to Z disk :

- A- Titin.
- B- Nebulin.
- C- Myomesin.
- D- α -Actinin.
- E- Troponin.

Answer: A

The distance between z-lines is equivalent to the length of the :

- A- M line.
- B- A band.
- C- Sarcomere.
- D- H band.

Answer: C

physiology - lecture (1)

Which of these covers the active site of actin:

- a) troponin C
- b) troponin I
- c) tropomyosin
- D) troponin T
- E) calmodulin

Sarcomere is:

Answer: C

between 2 z discs

Muscle fibers type for bicycle race :

- A) White
- B) red

Answer: B

Which of the following is the line bisects the sarcomeres

- A- I band
- B- A band
- C- Z line
- D- M line
- E- H zone

Which has more myoglobin?

Answer: C

- A- red fiber
- B- rapid fiber

The H zone

Answer: A

- a) Is divided by M line
- b) Contains only actin

Answer: A

physiology - lecture (1)

Troponin C bind to:

- A- Ca
- B- Na
- C- none

Answer : A

Thin dark line across the center of the H zone of a striated muscle fiber:

- A- M line
- B- Z line
- C- H band
- D- I band.

Answer : A

In skeletal muscle the calcium bind to?

- A. Troponin C.
- B. A. Troponin T
- C.A. Troponin I
- D. Calmodulin.

Answer: A. Troponin C

The sarcoplasmic reticulum in muscle fibers is derived from:

- A. Rough endoplasmic reticulum
- B. Smooth endoplasmic reticulum
- C. Golgi apparatus
- D. Plasma membrane
- E. Mitochondria

Answer: B

physiology - lecture (1)

The sarcoplasmic reticulum in muscle fibers is derived from:

- A. Rough endoplasmic reticulum
- B. Smooth endoplasmic reticulum
- C. Golgi apparatus
- D. Plasma membrane
- E. Mitochondria

Answer: B